

12/05/01  
J1003 U.S. PTO

PATENT  
USA.292

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JC972 U.S. PTO  
10/00127  
12/05/01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Jon Jody Fong ) Attorney Docket No.: USA.292

Title: Cooling Techniques in Solid ) Express Mail Label No.: EE077045520US  
Freeform Fabrication )

Date Filed: November 21, 2001 ) Customer No.: 022514

Assistant Commissioner for Patents  
**BOX PATENT APPLICATION**  
Washington, D.C. 20231

Certificate Under 37 CFR §1.10  
I hereby certify that this correspondence  
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Washington D.C. 20231, on  
November 21, 2001  
Date of Deposit  
Janice Gainer  
Name  
J. Gainer  
Signature

### UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor: Jon Jody Fong.

### **APPLICATION ELEMENTS**

- Fee Transmittal Form.**
- Type of Application.**

This new application is for a(n) (*check one applicable item below*):

Original  
 Divisional  
 Continuation  
 Continuation-in-part (CIP) of Prior Application No.: Unassigned  
Attorney Docket No.: USA.288 Filed: 10/24/2001

- Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

<input checked="" type="checkbox"/> Pages of Specification	Total Pages:	<u>30</u>
<input checked="" type="checkbox"/> Drawings - Formal	Total Sheets:	<u>14</u> (20 Figures)

Oath or Declaration and Power of Attorney for Patent Application

Newly executed (original or copy)

Copy from a prior application (37 CFR 1.63(d))

**4. Additional Papers Enclosed.**

Assignment Papers (cover sheet & document(s))

Information Disclosure Statement (IDS)/PTO-1449  
Copies of IDS Citations

Return Receipt Postcard (MPEP 503)

**5. Inventorship.**

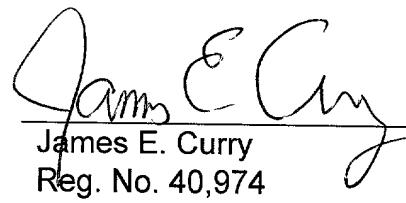
The inventorship names and addresses for all the claims in this application are:

Jon Jody Fong  
22452 Galilee Street  
Calabasas, California 91302

**6. Language.**

English

Dated: November 21, 2001



James E. Curry  
Reg. No. 40,974  
Attorney for Applicant

3D Systems, Inc.  
26081 Avenue Hall  
Valencia, CA 91355  
(616) 295-5600, ext. 2470

Statement Where No Further Pages Added.

This Transmittal Ends With This Page.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

\$978.00

## Complete if Known

Application Number	To be assigned
Filing Date	November 21, 2001
First Named Inventor	Jon Jody Fong
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	USA.292

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **20-0900**  
Deposit Account Name **3D Systems, Inc.**

Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

Applicant claims small entity status See 37 CFR § 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity  
Fee Fee Fee Fee Description  
Code (\$) Code (\$)

101	740	201	370	Utility filing fee	<b>740.00</b>
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
<b>SUBTOTAL (1)</b>				<b>\$740.00</b>	

## 2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	<b>31</b>	$-20^{**} = 11$	$18.00 = 198.00$
Independent Claims	<b>3</b>	$-3^{**} = 0$	$84.00 = 0.00$
Multiple Dependent			

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description		
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>				<b>\$198.00</b>

\*\*or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)					
<b>3. ADDITIONAL FEES</b>					
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description			Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non - English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR § 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
<b>SUBTOTAL (3)</b>					
<b>\$40.00</b>					

## SUBMITTED BY

Complete if applicable

Name	James E. Curry	Registration No. (Attorney/Agent)	40,974	Telephone	661-295-5600 ext. 2470
Signature			Date	November 21, 2001	

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Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Washington, DC 20231.